

**Flood Control Project Maintenance
Levee Inspections**

Maintenance Issue Types Only, Levee Inspection Report By Mile - Spring 2019

Sutter Maintenance Yard Hamilton Bend

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/04/2019 04/04/2019	Sterling York

LM Start		Rating **	A	Issue No.	7
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Operations & Maintenance Manuals			°	°
				°	°
DWR ID	DWR_ST0005_01_s_2013_7				
Comment Code					
Inspector Comment					
O&M manual is located at the Sutter Maintenance Yard.					

No Photos

LM Start		Rating **	A	Issue No.	8
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Emergency Supplies & Equipment			°	°
				°	°
DWR ID	DWR_ST0005_01_s_2013_8				
Comment Code					
Inspector Comment					
Emergency supplies and equipment are stored at the Sutter Maintenance Yard.					

No Photos

LM Start		Rating **	A	Issue No.	9
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Flood Preparedness & Training			°	°
				°	°
DWR ID	DWR_ST0005_01_s_2013_9				
Comment Code					
Inspector Comment					
Sutter Maintenance Yard employees attend the annual Flood Fight class put on by DWR inspectors.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/04/2019 04/04/2019	Sterling York

LM Start	0.00	Rating **	A	Issue No.	3
LM End	1.37	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.439671 °	39.457917 °
				-121.641410 °	-121.638319 °
DWR ID	DWR_ST0005_01_s_2019_3				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
From levee mile 0.00 to levee mile 1.37 the annual vegetation is well maintained, Spring 2019.					

Photo 1 of 1 : SP_2019_ST0005_289_3_20190409_00016.jpg



View looking upstream landside from levee mile 0.00 to levee mile 1.37 where annual vegetation is well maintained, Spring 2019.

LM Start	0.00	Rating **	A	Issue No.	5
LM End	1.37	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.439671 °	39.457917 °
				-121.641410 °	-121.638319 °
DWR ID	DWR_ST0005_01_s_2019_5				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
From levee mile 0.00 to levee mile 1.37 the annual vegetation is well maintained, Spring 2019.					

Photo 1 of 1 : SP_2019_ST0005_289_5_20190409_00015.jpg



View looking upstream waterside from levee mile 0.00 to levee mile 1.37 where annual vegetation is well maintained, Spring 2019.

LM Start	0.19	Rating **	M	Issue No.	15
LM End	0.19	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.442435 °	39.442435 °
				-121.641760 °	-121.641760 °
DWR ID	DWR_ST0005_01_s_2015_15				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

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Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/04/2019 04/04/2019	Sterling York

LM Start	0.70	Rating **	M	Issue No.	16
LM End	0.70	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.449623 °	39.449623 °
				-121.640940 °	-121.640940 °
DWR ID	DWR_ST0005_01_s_2017_16				
Comment Code					
V4 : Elderberries are blocking visibility and flood fight capability.					
Inspector Comment					

No Photos

LM Start	0.73	Rating **	A	Issue No.	14
LM End	0.91	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.450109 °	39.452643 °
				-121.640851 °	-121.640316 °
DWR ID	DWR_ST0005_01_s_2016_14				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Small trees 4" in diameter at chest height have been sprayed and should be removed, Fall 2018.					

Photo 1 of 1 : SP_2019_ST0005_289_14_20190305_00005.jpg



View looking upstream waterside of trees. Small trees 4" in diameter at chest height have been sprayed and should be removed, Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/04/2019 04/04/2019	Sterling York

LM Start	1.48	Rating **	U	Issue No.	18
LM End	1.99	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.458053 °	39.461949 °
				-121.636300 °	-121.629563 °
DWR ID	DWR_ST0005_01_s _ 2017_18				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim/Thin Trees from Levee Mile 1.48 to 1.99. The LMA does not maintain the levee from Levee Mile 1.38 to 3.39.					

Photo 1 of 1 : SP_2019_ST0005_289_18_20190305_00007.jpg



View looking upstream of thick trees and vegetation blocking visibility on waterside, looking downstream. Spring 2018.

LM Start	1.48	Rating **	U	Issue No.	11
LM End	3.25	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.458055 °	39.470312 °
				-121.636300 °	-121.609242 °
DWR ID	DWR_ST0005_01_s _ 2017_11				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Trim/Thin Trees from Levee Mile 1.48 to 3.25. The LMA does not maintain the levee from Levee Mile 1.38 to 3.39.					

Photo 1 of 1 : SP_2019_ST0005_289_11_20190305_00004.jpg



View looking upstream landside and waterside of thick trees blocking visibility on landside, Fall 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Feather River Hamilton Bend	Right	3.39	04/04/2019 04/04/2019	Sterling York

LM Start	1.50	Rating **	U	Issue No.	17
LM End	1.96	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.458131 °	39.461634 °
				-121.635916 °	-121.629926 °
DWR ID	DWR_ST0005_01_f_2017_17				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Maintain annual grasses from Levee Mile 1.50 to 1.96. The LMA does not maintain the levee from Levee Mile 1.38 to 3.39.					

Photo 1 of 1 : SP_2019_ST0005_289_17_20190305_00006.jpg



View looking upstream waterside of annual grasses that need to be maintained, Spring 2018.

LM Start	1.50	Rating **	U	Issue No.	6	
LM End	2.63	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Vegetation			39.458132 °		39.466025 °
				-121.635914 °		-121.618972 °
DWR ID	DWR_ST0005_01_f_2016_6					
Comment Code						
V2 : Remove the wild growth other than native grasses from the levee slopes.						
Inspector Comment						
Blackberries covering slope from Levee Mile 1.50 to 2.63. The LMA does not maintain the levee from Levee Mile 1.38 to 3.39.						

Photo 1 of 1 : SP_2019_ST0005_289_6_20190305_00002.jpg



View looking upstream landside of blackberries that are covering the landside slope, Spring 2018.

LM Start	2.46	Rating **	U	Issue No.	10
LM End	2.48	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.465370 °	39.465410 °
				-121.622074 °	-121.621736 °
DWR ID	DWR_ST0005_01_f_2016_10				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
Blackberries covering slope from Levee Mile 2.46 to 2.48. The LMA does not maintain the levee from Levee Mile 1.38 to 3.39.					

Photo 1 of 1 : SP_2019_ST0005_289_10_20190305_00003.jpg



View of blackberries that are covering landside slope.

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LM Start	3.23	Rating **	U	Issue No.	4
LM End	3.27	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.470063 °	39.470558 °
				-121.609264 °	-121.609215 °
DWR ID	DWR_ST0005_01_s_2013_4				
Comment Code					
T3 : Trim and thin trees to allow visibility of the ground and room to flood fight.					
Inspector Comment					
Small trees 4" in diameter at chest height should be removed before they get too big from Levee Mile 3.23 to 3.27. Levee Mile 1.38 to 3.39 has never been maintained by the LMA.					

Photo 1 of 1 : SP_2019_ST0005_289_4_20190305_00001.jpg



View looking upstream waterside of small trees 4" in diameter at chest height should be removed before they get to big, Spring 2018.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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